

FIRST CIRCULAR



NATIONAL CONFERENCE ON

ADVANCES IN CLIMATE- CONSCIOUS CROP SCIENCE

GENETICS, GENOMICS AND BREEDING

October 4 – 6, 2025

Venue
University of Agricultural Sciences
GKVK, Bangalore

Organized by
Indian Society of Genetics and Plant Breeding
New Delhi
University of Agricultural Sciences, GKVK, Bangalore
University of Agricultural Sciences, Dharwad

About the conference

The remarkable progress in plant genetics, genomics, and breeding has revolutionized and reshaped our approach to crop improvement in the changing climate. These advances have become central to addressing the grand challenges of agriculture posed by climate variability, resource limitations, and evolving pest and disease pressures. As the frequency and intensity of climate-related stresses increase, integrating genomic tools with conventional breeding holds transformative potential to accelerate the development of climate-resilient crop varieties. In this context, fostering collaboration and the exchange of cutting-edge knowledge is crucial for sustaining productivity, ensuring food security, and developing climate-resilient agricultural systems.

We are pleased to invite you to the National Conference on **Advances in Climate-conscious Crop Science: Genetics, Genomics and Breeding**, scheduled to be held on **04-06 October 2025** at the **University of Agricultural Sciences, Bangalore**. This conference aims to bring together leading scientists, academicians, young researchers, and policymakers from across the country to discuss cutting-edge innovations in crop improvement. The conference will feature technical sessions on key themes, including genomics-assisted breeding, genome editing technologies, QTL and gene discovery, multi-omics integration, stress-adaptive trait dissection, and translational breeding pipelines. In addition, discussions will explore policy frameworks and institutional models that support the deployment of these technologies to achieve farmer-centric outcomes.

Your presence and participation in this conference would be of immense value. The organizing committee cordially invites you to contribute through oral or poster presentations and to engage in meaningful dialogue with peers and experts in the field. The event will also provide an excellent platform for fostering interdisciplinary partnerships and catalysing new research initiatives aligned with climate-smart agriculture for food and nutritional security.

Scientific Programme

The three-day National Conference on Advances in Genetics, Genomics and Breeding for Climate-conscious Crop Science will feature lead lectures, invited talks, oral and poster presentations by eminent scientists, young researchers, and stakeholders. The scientific sessions are organized around the following key themes to promote interdisciplinary exchange and advance the national agenda of climate-resilient and nutrition-sensitive agriculture. The three-day programme will be organized under the following sessions with a specific theme:

Session I: Genetics – Advances and Achievements

Exploring the genetic architecture of crops for future-ready agriculture

- Genetic and genomic resources for trait discovery
- Haploid breeding and Hybrid breeding systems
- Novel gene discoveries and functional validations
- GWAS, and association mapping strategies
- Role of epigenetics in trait regulation
- Population genetics, evolutionary insights, and conservation genomics
- Advances in mutation breeding
- Harnessing biological diversity for adaptive traits and benefit-sharing frameworks
- Application of statistical and biometrical models in selection efficiency

Session II: Climate-smart Breeding for Crop Improvement

Strategic breeding innovations for biotic and abiotic stress resilience

- Breeding for abiotic stress tolerance (drought, heat, salinity)
- Enhancing resistance to major biotic stresses
- Yield improvement through targeted breeding strategies
- High throughput phenotyping and phenomics
- Speed breeding for climate resilience

Session III: New Frontiers for Maximizing Yield Gains***Cutting-edge tools and platforms accelerating genetic gains***

- Haplotype breeding
- Genomic selection and genome editing
- Emerging advances in transgenic research
- Role of bioinformatics, AI, and machine learning in breeding pipelines
- Omics in crop improvement

Session IV: Genetics of Nutrition***Toward nutritionally enhanced crops for food and health security***

- Genetic approaches for biofortification and micronutrient bioavailability
- Nutrigenomics and improvement of nutri-cereals
- Functional foods and agri-based products for nutritional security

Session V: Genetics in a Social Welfare Perspective***From research to societal benefit: ethics, equity, and engagement***

- Biosafety and ethical considerations in crop genetic improvement
- Strengthening public-private partnerships in genetics research
- Translational genetics: bridging lab innovations with community impact
- Innovations in the seed sector
- PPVFRA in transforming the Agri-food systems
- Entrepreneurship and startups in agriculture
- IPR and agri-innovations

Registration

Category	Early bird (Sept 15, 2025)	Normal (Sept 30, 2025)	On-spot
Scientist/Faculties: ISGPB Member	6,000/-	7,000/-	8,000/-
Scientist/Faculties: ISGPB Non-member	7,000/-	8,000/-	9,000/-
Students	2,000/-	2,000/-	2,500/-
RA/SRF/YP: ISGPB Member	3,000/-	3,500/-	4,000/-
RA/SRF/YP: ISGPB Non-Member	3,500/-	4,000/-	5,000/-
Corporate representatives/others	10,000/-	12,000/-	14,000/-
Accompanying person	Rs 4000/-		

Mode of payment

Payment should be made online as per the bank account detail given below. Proof of payment should be sent through email at croptenebreed2025@gmail.com or by filling the [Google form](#) by scanning the QR code.

Ac Holder name: Organizing Secretary (CropGeneBreed2025)

Savings bank Account No. 110106723373

Name and branch of the Bank: Canara Bank, GKV Branch, Bangalore

IFSC of the bank: CNRB0002737

**Registration and
Abstract submission**



Pre-registration and abstract submission

The Programme Committee invites the submission of abstracts of the paper for oral or poster presentation.

- Abstract submission opens: **August 15, 2025**
- Last date for abstract submission: **September 15, 2025**
- Acceptance of abstracts: **September 25, 2025**

Abstract may be submitted as a MS Word file attached to an e-mail croptenebreed2025@gmail.com or by filling the [Google form](#) by scanning the QR code. Registration is mandatory for abstract acceptance. The final placement of the abstracts under oral or poster will be decided by the Programme Committee.

Guidelines for Abstract

- Abstract should include title, name, affiliation and address of all authors, email address of the corresponding author and the main text.
- Type text using single space in Times New Roman font; Title: 14-point bold font; Names of authors: 12-point bold font; Affiliation (name of Institute/university): 11-point font, Address: 10-point font and Main text: 10-point font.
- Name of the presenter should be underlined and name of corresponding author to be starred with an asterisk (*).
- Abstract should not exceed 250 words.

Posters

The Posters should be brief, self-explanatory and informative. Besides text, figure, table, etc. it should also contain the name and affiliation of the authors. Fonts of the posters should be readable from a distance of at least 1.50m. The size of the poster should be such that it can fit well in the poster panel of 90 cm x 120 cm (width x height).

Oral Presentation

Each technical session will have two oral presentations. Paper(s) for oral presentation will be selected from among the abstracts contributed on before **September 15, 2025**.

Contributory Papers

The articles of the Lead and Invited lectures and Oral presentations would be published in a special issue of the Indian Journal of Genetics and Plant Breeding (Indian J. Genet. Plant Breed.). The complete paper should not exceed 10 pages of A4 size typed in the format of the Journal. A soft copy of the papers should be submitted online at **cropgenebreed2025@gmail.com** within 15 days of receiving the communication of selection.

Facilities Available

Projection Facilities: LCD projectors will be available for oral presentation. The presentations should be in the Microsoft PowerPoint format (ppt) or any other compatible format.

Poster Presentation

Boards for Poster presentations that can accommodate 90 x 120 cm posters will be provided at the Congress venue.

Awards

Best oral presentation award

Oral presentations will be evaluated by a committee for the selection of the best oral presentation awards.

Best poster presentation award

Displayed posters will be evaluated for the awarding the best poster presentations.

Special attraction

“Rapid Oral Session” for early career researchers (Age below 45 years) and doctoral students. The speakers will be selected by a committee based on abstracts submitted. Each presentation will be restricted to max 5 slides to be presented in 5 minutes (4 minutes presentation + 1 minute discussion).

Accommodation, Travel and Local Logistics

For accommodation, please contact the Accommodation Committee of the Congress as per the contact details given below:

Dr. B. Boraiah

Chairman, Accommodation Committee

E-mail: uasriof@gmail.com

Mobile No. +91 7019898475

Dr. D.C. Hanumanthappa

Chairman, Transport Committee

E-mail: dhdeeta@gmail.com / dchanu@rediffmail.com

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Weather at Bangalore:

The month of October marks the beginning of the post-monsoon season in Bangalore, with temperatures ranging from 18.4°C to 26.4°C. Light cotton clothing is recommended for a comfortable stay.

Reaching Bangalore:

Bangalore is well connected by road, rail, and air to all major cities in India. The GKVK campus is located along the main road connecting the airport to the city centre.

Sponsorships

Particulars	Platinum Rs 10.0 L	Diamond Rs 7.0 L	Gold Rs 5.0 L	Silver Rs 3.0 L	Bronze Rs 2.0 L
Company logo on Congress website	√	√	√	√	√
One speaker slot for a company executive in suitable technical session	√	-	-	-	-
Promotional material allowed in the delegate bags	√	√	√	√	√
Advertisement in Congress souvenir/abstract book	Full page		Half page		-
Special flex /banner in display zone	√	√	-	-	-
Free Registration for persons	6	4	2	1	-

Additional Sponsorship Opportunities

Lunch/High Tea/Dinner sponsorship: In addition, sponsorships are open for hosting high tea (@Rs 250/- per person), lunches (@ Rs 750/- per person) and special dinner @Rs 1500/- per person) for a minimum of 300-500 participants.

Special flex/banner display zone: Companies/ FPOs & FPC can display new products. 3x2.5 banners for 10000/- per banner (max 2 banners per entry).

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